



Dart Aerospace Ltd.
1270 Aberdeen St
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K6A 1K7
Canada

Tel (613) 632-5200
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D412-702-071
Job Sheet 202927



Part No: D412-702-071

Job Qty: 3 pcs

Part Name: Comfort Crew Shoulder Harness



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/5/19

Job Tracking No:

Due Date: 11/25/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IIN-D412-702-3 REV C IPP Rev:A 11.03.01 new issue DD verf:EC IPP Rev:B 12.09.05 per DSI9612 DD
verf:JFS IPP Rev.C 17.09.19 IIN412-702-3 Rev.C DD Verify DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	3 pcs	11/25/19	11/25/19	0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		



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CANADA
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Email: sales@dartaero.com
www.dartaerospace.com

Container No: S232576



Part: D412-702-071

Job No: 202927

Serial No/Batch: S232576

Revision: C

Inspector:

Exp Date:

Instructions: TC STC SH04-7 Issue 3, FAA STC SR01997N

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120 QC 4	3 pcs	11/25/19	0.00 0.00	Packaging 1 - 31	
				Packaging 1 - 32	
				Packaging 1 - 33	
				Packaging 1 - 34	
				Packaging 1 - 35	
				Packaging 1 - 36	
				QC 4 - 28	
120 QC 4	3 pcs	11/25/19	0.00 0.00	QC 4 - 58	
				QC 4 - 69	
				QC 4 - 9	
				QC 4 - 46	
				QC 4 - 68	
				QC 4 - 72	
				QC 4 - 74	
				QC 4 - 75	
				QC 4 - 78	
					DAS 78 9-89
130 Packaging 3-1 - Stock - B4B	3 pcs	11/25/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
135 DC - 1 - B4B	3 pcs	11/25/19	0.00 0.00	DC - 1 - B4B	
				DC - 2 - B4B	
140 QC 21 - FG	3 pcs	11/25/19	0.00 0.00	QC 21 - FG - 21	
				QC 21 - FG - 70	
				QC 21 - SA - 53	

Part Op 110 - (Pick Kit)
 Descriptions: 120 - (QC4- 100% Inspect kits for completeness)

FC604

130 - Identify and pack for shipping as per PPP D412-702-071 Location:FG029

135 - (Document Control) Photocopy bluefile & type labels per PPPD412-702-071 CHG003

140 - (QC21- Final Inspection - Work Order Release)

012766

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-10A	BOLT	6 Ea (2 ea)	110-Packaging 1 - Pick Kit	522-768
AN3-4A	Bolt	12 Ea (4 ea)	110-Packaging 1 - Pick Kit	516-263
AN4-6A	Bolt	6 Ea (2 ea)	110-Packaging 1 - Pick Kit	524-534
D4305-041	Shoulder Harness Assembly	3 pcs (1 ea)	110-Packaging 1 - Pick Kit	588-577
MS21042L3	Nut	18 Ea (6 ea)	110-Packaging 1 - Pick Kit	624-152
MS21042L4	Nut	6 Ea (2 ea)	110-Packaging 1 - Pick Kit	522-768
NAS1149D0332J	Washer	30 Ea (10 ea)	110-Packaging 1 - Pick Kit	522-768
NAS1149D0333J	Washer	18 Ea (6 ea)	110-Packaging 1 - Pick Kit	522-768
NAS1149D0432J	Washer	12 Ea (4 ea)	110-Packaging 1 - Pick Kit	522-768
NAS1149D0463J	Washer	12 Ea (4 ea)	110-Packaging 1 - Pick Kit	522-768
AN970-4	Washer	12 Ea (4 ea)	110-Packaging 1 - Pick Kit	522-768

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	AN3-10A	6	138	0
	AN3-4A	12	443	0
	AN4-6A	6	698	0
	AN970-4	12	87	0
	D4305-041	3	9	0
	MS21042L3	18	2,614	0
	MS21042L4	6	5,769	0
	NAS1149D0332J	30	3,838	0
	NAS1149D0363J	18	1,338	0
	NAS1149D0432J	12	638	0
	NAS1149D0463J	12	7,700	0

Part Specifications

Specifications could not be found.

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NCR No.

Route update only

Job: _____ Part No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐ Eng. (Non-AW) ☐ Machining ☐ Small Fab ☐ Prod. Eng. Coord. ☐ Large Fab ☐ Finishing ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QS1042)			
Description Work Order Deviation		Disposition					
		Completed By					
		Lead hand / Supervisor					
		QC / QA Coordinator					

Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY <table border="1"> <tr> <td>Pressure/Forced</td> <td>Contamination</td> <td>Power Loss/Surge</td> <td>Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table>										Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong	Bending	Misaligned/off center	Folio/Program	Outside Tolerance	Crushing	BOM/Route	Grain Direction	Drawing	Cracks	Broken/Damage/Defect	Weld	Finish	Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing	Marks/Chatter	Drill Holes	Out of Sequence	Misread	Mislabeled	Fit/Function	Off-set/Set-up	
Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong																																				
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Mislabeled	Fit/Function	Off-set/Set-up																																					
		Other/Details:																																					



RELEASED
18.05.10

DAS
28
9-89

PPP

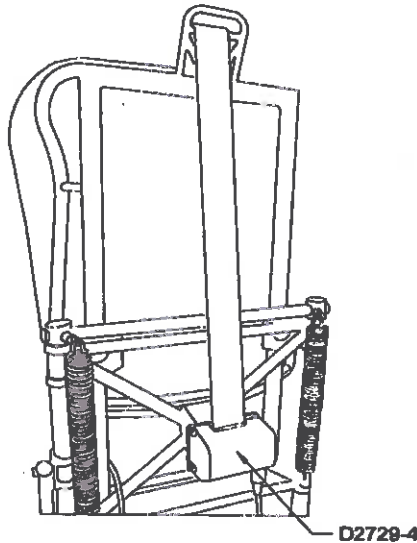
Part Number	D412-702-071
Description	Pilot / Co-pilot Shoulder Harness

Box Part Number	BX40	Dimension	12 x 9 x 7
Other Packaging			
Logo Decals			

Packaging Instructions and Decal Placement

D412-702-071

Put label D2729-4 on shoulder harness box as per drawing. Put foam in bottom of box. Place hardware and paperwork in box. Add more foam to prevent movement. Close box with Dart tape. Apply label D2729-3 as per instructions in QSI 014.



D2729-4

D2729-3

DART AEROSPACE			
1270 ABERDEEN STREET HAWKESBURY, ONT. CANADA K0A 1K7 TEL.: 1-813-632-5200 www.dartaerospace.com			
PATENT	N/A	CHG	CHG003
P/N	D412-702-071	STC	SH04-7
DESC	Shoulder Harness	STC	SR01997NY
LOT	SXXXXXX	STC	
MODEL	Bell 205/212/214/412	STC	
TC APPROVAL # 05 09		MADE IN CANADA	

DART AEROSPACE		Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K0A 1K7 CANADA TEL.: 1 613 632-5200
PILOT / CO-PILOT SHOULDER HARNESS		
P/N: D412-702-071		CHG003
S/N: SXXXXXX		

Revision: D
Date: 18.05.10

18/05/10

4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D412-702-071 <i>Pilot/Co-pilot Shoulder Harness Kit</i>	-2.6 lb -1.2 kg	± 22.0 in ± 0.56 m	± 57.2 in lb ± 0.67 m kg	47.0 in 1.19 m	-122.2 in lb -1.43 m kg
D412-702-073 <i>Pilot/Co-pilot Shoulder Harness Kit</i>	-2.6 lb -1.2 kg	± 22.0 in ± 0.56 m	± 57.2 in lb ± 0.67 m kg	47.0 in 1.19 m	-122.2 in lb -1.43 m kg
D412-702-075 <i>Pilot/Co-pilot Shoulder Harness Kit</i>	-2.6 lb -1.2 kg	± 22.0 in ± 0.56 m	± 57.2 in lb ± 0.67 m kg	47.0 in 1.19 m	-122.2 in lb -1.43 m kg

5.0 PARTS LISTS

QTY -071	QTY -073	QTY -075	Part Number	Description
X			D412-702-071	Dart Pilot/Co-Pilot Shoulder Harness Kit
	X		D412-702-073	Dart Pilot/Co-Pilot Shoulder Harness Kit
		X	D412-702-075	Dart Pilot/Co-Pilot Shoulder Harness Kit
1			D4305-041	SHOULDER HARNESS
	1		D4305-043	SHOULDER HARNESS
		1	D4305-045	SHOULDER HARNESS
4	4	4	AN3-4A	BOLT
2	2	2	AN4-6A	BOLT
2	2	2	AN3-10A	BOLT
4	4	4	AN370-4	WASHER
6	6	6	MS21042L3	NUT
2	2	2	MS21042L4	NUT
10	10	10	NAS1149D0332J	WASHER
6	6	6	NAS1149D0363J	WASHER
4	4	4	NAS1149D0432J	WASHER
4	4	4	NAS1149D0463J	WASHER